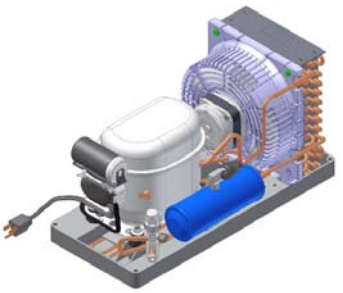
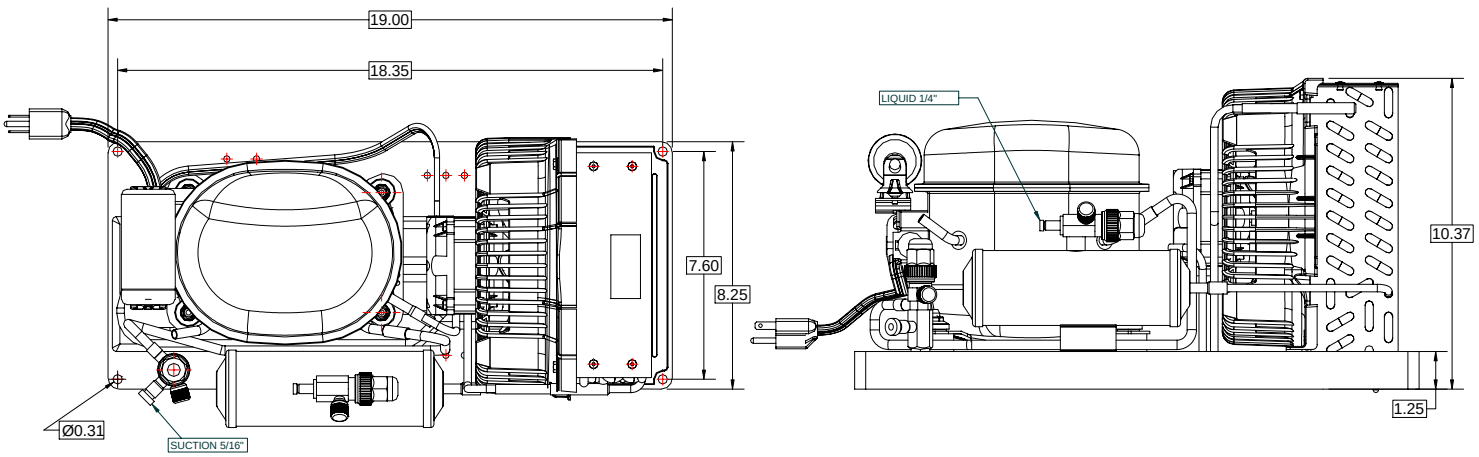
TECUMSEH HERMETIC CONDENSING UNIT

Model	**AEA9415ZXAGL, -K, -B, -C**
BOM	**33X590-2, -3, -4, -5**
Air Cooled	**1/5 HP**
Application	**Commercial Temp**
Refrigerant	**R404A**
Volts-Hz-Ph	**115-60-1**





Model	Dimensions, inches (mm)			Line connections		Pumpdown	Air flow	Oil Ch.	Gross wt.
	L	W	H	Suction	Liquid	90% @90°F	CFM	Oz.	Lbs (kg)
AEA9415ZXAGL	19 (483)	8.7 (221)	10.3 (262)	5/16 Sweat	1/4 Sweat	n/a	242	16	39.6 (18)
AEA9415ZXAGK									
AEA9415ZXAGB		9.7 (246)				1.53			40.2 (18.2)
AEA9415ZXAGC				5/16 Valve Sweat	1/4 Valve Sweat	1.85			40.8 (18.5)

Factory charge 20 psig dry air, **MUST BE EVACUATED**

Evaporator		Ambient Temeratures											
		80°F			90°F			100°F			110°F		
°F	Psig	BTUH	Watts	Cond T	BTUH	Watts	Cond T	BTUH	Watts	Cond T	BTUH	Watts	Cond T
-10	23.9	914	236	96	835	250	106	724	261	115	580	274	123
-5	28.2	943	276	99	843	288	109	727	299	117	623	311	125
0	32.8	1138	317	102	1024	328	110	885	338	119	722	349	127
5	37.9	1192	353	105	1078	361	111	933	369	121	787	383	130
10	43.3	1363	390	108	1239	394	117	1079	402	124	882	418	131
15	49.2	1464	397	109	1334	418	119	1155	435	127	963	448	134
20	**55.5**	**1667**	**404**	**111**	**1481**	**445**	**121**	**1278**	**469**	**131**	**1058**	**479**	**137**
25	62.2	1748	431	117	1612	460	125	1414	485	132	1152	507	140
30	69.5	1839	461	122	1750	474	128	1553	498	135			
35	77.2	2054	433	123	1894	484	131	1660	526	138			
40	85.5	2263	456	131	2045	489	133						

40°F return gas below 20°F evaporator, 65°F return gas above 20°F evaporator, SubCooling 5°F

Parts/Specifications

Unit BOM	**33X590-2**	Condenser	50733-G02
Unit MODEL	**AEA9415ZXAGL**	Shroud	
		Fan Guard	116-003P
Refrigeration RANGE	-10°F to 45°F		
Design Pressure Low	181	Replacement Fan Motor	6W115
Design Pressure High	450	F. M., blade, guard assy	YFBG-106
Volts - HZ - Ph	115-60-1	F. M., blade, guard, shroud assy	
Voltage Range	126.5 to 103.5		
Min. Circuit Ampacity	6.035	Electrical Diagram	DEAE-10
Max. Fuse Size	15	Unit Drawing	DGBU-042
Compressor MODEL	AEA9415ZXA	**Unit BOM**	**33X590-3**
Compressor BOM	AE570AR-945-A2JR	**Unit MODEL**	**AEA9415ZXAGK**
Compressor LRA	29	Power Cord	85106-10
Compressor RLA	4.5	Unit Drawing	DGBU-042
OverLoad	8300MRPD19	**Unit BOM**	**33X590-4**
Relay	82420	**Unit MODEL**	**AEA9415ZXAGB**
Run Capacitor		Receiver	51085-1H
Run Capacitor Rating		Unit Drawing	DGBU-042R
Start Capacitor	85PS110C76		
Start Capacitor Rating	243-292MFD / 110V	**Unit BOM**	**33X590-5**
		Unit MODEL	**AEA9415ZXAGC**
Fan Motor	NUT6B06ZUN301	Receiver /w Liq Valve	51085-1HV
Fan Motor RLA	0.41	Suction Valve	56580-1
Fan Blade	4VEA009	Unit Drawing	DGBU-042V